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Reviewer: markspencer

Timestamp: [year=2010; month=11; day=10; hr=10; min=47; sec=25; ms=504;
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Application No: 10590116 Version No: 1.0

Input Set:

Output Set:

Started: 2010-10-29 11:11:27.434
Finished: 2010-10-29 11:11:28.244
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Total Warnings: 7
Total Errors: 0
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

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SEQUENCE LISTING

<110> UMEYAMA, HIDEAKI
WATANABE, YOSHIAKI
ARAI, RYOICHI

<120> LIGAND SCREENING APPARATUS, LIGAND SCREENING METHOD,
PROGRAM AND RECORDING MEDIUM

<130> 079088-0102

<140> 10590116

<141> 2010-10-29

<150> PCT/JP2005/003558

<151> 2005-02-24

<150> JP 2004-048767

<151> 2004-02-24

<160> 7

<170> PatentIn version 3.5

<210> 1

<211> 137

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Cellular retinoic acid binding
protein type II (CRABP-II) (PDB code: 1CBQ)

<400> 1

Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe Glu
1 5 10 15

Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile Ala
20 25 30

Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly Asp
35 40 45

Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile Asn
50 55 60

Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg Pro
65 70 75 80

Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys Glu
85 90 95

Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg Glu
100 105 110

Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp Val
115 120 125

Val Cys Thr Arg Val Tyr Val Arg Glu
130 135

<210> 2

<211> 131

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Intestinal fatty acid binding
protein (PDB code: 1ICM)

<400> 2

Ala Phe Asp Gly Thr Trp Lys Val Asp Arg Asn Glu Asn Tyr Glu Lys
1 5 10 15

Phe Met Glu Lys Met Gly Ile Asn Val Val Lys Arg Lys Leu Gly Ala
20 25 30

His Asp Asn Leu Lys Leu Thr Ile Thr Gln Glu Gly Asn Lys Phe Thr
35 40 45

Val Lys Glu Ser Ser Asn Phe Arg Asn Ile Asp Val Val Phe Glu Leu
50 55 60

Gly Val Asp Phe Ala Tyr Ser Leu Ala Asp Gly Thr Glu Leu Thr Gly
65 70 75 80

Thr Trp Thr Met Glu Gly Asn Lys Leu Val Gly Lys Phe Lys Arg Val
85 90 95

Asp Asn Gly Lys Glu Leu Ile Ala Val Arg Glu Ile Ser Gly Asn Glu
100 105 110

Leu Ile Gln Thr Tyr Thr Tyr Glu Gly Val Glu Ala Lys Arg Ile Phe
115 120 125

Lys Lys Glu

<210> 3

<211> 147

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Flavodoxin (PDB code: 1J9G)

<400> 3

Ala	Lys	Ala	Leu	Ile	Val	Tyr	Gly	Ser	Thr	Thr	Gly	Asn	Thr	Glu	Tyr
1			5						10					15	

Thr	Ala	Glu	Thr	Ile	Ala	Arg	Glu	Leu	Ala	Asp	Ala	Gly	Tyr	Glu	Val
		20						25					30		

Asp	Ser	Arg	Asp	Ala	Ala	Ser	Val	Glu	Ala	Gly	Gly	Leu	Phe	Glu	Gly
		35					40					45			

Phe	Asp	Leu	Val	Leu	Leu	Gly	Cys	Ser	Thr	Trp	Gly	Asp	Asp	Cys	Ile
	50					55					60				

Glu	Leu	Gln	Asp	Asp	Phe	Ile	Pro	Leu	Phe	Asp	Ser	Leu	Glu	Glu	Thr
65					70					75					80

Gly	Ala	Gln	Gly	Arg	Lys	Val	Ala	Cys	Phe	Gly	Cys	Gly	Asp	Ser	Ser
				85						90					95

Tyr	Glu	Tyr	Phe	Cys	Gly	Ala	Val	Asp	Ala	Ile	Glu	Glu	Lys	Leu	Lys
			100						105					110	

Asn	Leu	Gly	Ala	Glu	Ile	Val	Gln	Asp	Gly	Leu	Arg	Ile	Asp	Gly	Asp
		115					120						125		

Pro	Arg	Ala	Ala	Arg	Asp	Asp	Ile	Val	Gly	Trp	Ala	His	Asp	Val	Arg
	130					135					140				

Gly	Ala	Ile
145		

<210> 4

<211> 165

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Flavodoxin (PDB code: 1AHN)

<400> 4

Ala Ile Thr Gly Ile Phe Phe Gly Ser Asp Thr Gly Asn Thr Glu Asn
1 5 10 15

Ile Ala Lys Met Ile Gln Lys Gln Leu Gly Lys Asp Val Ala Asp Val
20 25 30

His Asp Ile Ala Lys Ser Ser Lys Glu Asp Leu Glu Ala Tyr Asp Ile
35 40 45

Leu Leu Leu Gly Ile Pro Thr Trp Tyr Tyr Gly Glu Ala Gln Cys Asp
50 55 60

Trp Asp Asp Phe Phe Pro Thr Leu Glu Glu Ile Asp Phe Asn Gly Lys
65 70 75 80

Leu Val Ala Leu Phe Gly Cys Gly Asp Gln Glu Asp Tyr Ala Glu Tyr
85 90 95

Phe Cys Asp Ala Leu Gly Thr Ile Arg Asp Ile Ile Glu Pro Arg Gly
100 105 110

Ala Thr Ile Val Gly His Trp Pro Thr Ala Gly Tyr His Phe Glu Ala
115 120 125

Ser Lys Gly Leu Ala Asp Asp Asp His Phe Val Gly Leu Ala Ile Asp
130 135 140

Glu Asp Arg Gln Pro Glu Leu Thr Ala Glu Arg Val Glu Lys Trp Val
145 150 155 160

Lys Gln Ile Ser Glu
165

<210> 5

<211> 158

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Matrix metalloproteinase-8
(MMP-8) (PDB code: 1MMB)

<400> 5

Asn Pro Lys Trp Glu Arg Thr Asn Leu Thr Tyr Arg Ile Arg Asn Tyr
1 5 10 15

Thr Pro Gln Leu Ser Glu Ala Glu Val Glu Arg Ala Ile Lys Asp Ala
20 25 30

Phe Glu Leu Trp Ser Val Ala Ser Pro Leu Ile Phe Thr Arg Ile Ser
35 40 45

Gln Gly Glu Ala Asp Ile Asn Ile Ala Phe Tyr Gln Arg Asp His Gly
50 55 60

Asp Asn Ser Pro Phe Asp Gly Pro Asn Gly Ile Leu Ala His Ala Phe
65 70 75 80

Gln Pro Gly Gln Gly Ile Gly Gly Asp Ala His Phe Asp Ala Glu Glu
85 90 95

Thr Trp Thr Asn Thr Ser Ala Asn Tyr Asn Leu Phe Leu Val Ala Ala
100 105 110

His Glu Phe Gly His Ser Leu Gly Leu Ala His Ser Ser Asp Pro Gly
115 120 125

Ala Leu Met Tyr Pro Asn Tyr Ala Phe Arg Glu Thr Ser Asn Tyr Ser
130 135 140

Leu Pro Gln Asp Asp Ile Asp Gly Ile Gln Ala Ile Tyr Gly
145 150 155

<210> 6

<211> 159

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: MMP-3 (PDB code: 1B3D)

<400> 6

Ile Pro Lys Trp Arg Lys Thr His Leu Thr Tyr Arg Ile Val Asn Tyr
1 5 10 15

Thr Pro Asp Leu Pro Lys Asp Ala Val Asp Ser Ala Val Glu Lys Ala
20 25 30

Leu Lys Val Trp Glu Glu Val Thr Pro Leu Thr Phe Ser Arg Leu Tyr
35 40 45

Glu Gly Glu Ala Asp Ile Met Ile Ser Phe Ala Val Arg Glu His Gly
50 55 60

Asp Phe Tyr Pro Phe Asp Gly Pro Gly Asn Val Leu Ala His Ala Tyr
65 70 75 80

Ala Pro Gly Pro Gly Ile Asn Gly Asp Ala His Phe Asp Asp Asp Glu
85 90 95

Gln Trp Thr Lys Asp Thr Thr Gly Thr Asn Leu Phe Leu Val Ala Ala
100 105 110

His Glu Ile Gly His Ser Leu Gly Leu Phe His Ser Ala Asn Thr Glu
115 120 125

Ala Leu Met Tyr Pro Leu Tyr His Ser Leu Thr Asp Leu Thr Arg Phe
130 135 140

Arg Leu Ser Gln Asp Asp Ile Asn Gly Ile Gln Ser Leu Tyr Gly
145 150 155

<210> 7

<211> 5

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown: Peptide ligand
(PDB code: 1UK4)

<400> 7

Asn Ser Thr Leu Gln
1 5